

Date: Tue, 9 Nov 93 04:30:26 PST
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>
Errors-To: Ham-Digital-Errors@UCSD.Edu
Reply-To: Ham-Digital@UCSD.Edu
Precedence: Bulk
Subject: Ham-Digital Digest V93 #104
To: Ham-Digital

Ham-Digital Digest Tue, 9 Nov 93 Volume 93 : Issue 104

Today's Topics:

 9k6 (2 msgs)
 ??using KPC-3 for CW with DC-program
Are there multi-*CHANNEL* TNC's ??? (2 msgs)
 ftp access by packet
 Kenwood TM331: 9600 baud mods??
 KISS reset
 KPC-3 vs. PK-232????????HELP!
 Need chip numbers

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>
Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 5 Nov 93 18:13:38 GMT
From: hellgate.utah.edu!csn!magnus.acs.ohio-state.edu!cis.ohio-state.edu!
news.sei.cmu.edu!nntp.club.cc.cmu.edu!pitt.edu!dsinc!spool.mu.edu!
sol.ctr.columbia.edu!xlink.net!@dog.ee.lbl.gov
Subject: 9k6
To: ham-digital@ucsd.edu

Hello!

Is there anyone actually using 9600 (or more) packet, especially not for lame
satelites but for normal ground network. I'm especially interested in how to make
a xtal radio work on 9k6...

73 de Andy SP5WCA

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/-----+-----+-----+-----\
I Andrzej K. Brandt I SP5WCA I andy@mimuw.edu.pl I sp5wca@sp5pbe.wa.pol.eu I
\-----+-----+-----+-----/

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Date: Mon, 8 Nov 1993 17:30:38 GMT
From: sdd.hp.com!math.ohio-state.edu!howland.reston.ans.net!europa.eng.gtefsd.com!
library.ucla.edu!csulb.edu!csus.edu!news.ucdavis.edu!bullwinkle.ucdavis.edu!
szhall@decwrl.dec.com
Subject: ??using KPC-3 for CW with DC-program
To: ham-digital@ucsd.edu

I am new at this packett and I have a question..I am using a Kantronics KPC-3 with DC-PROGRAM software and I noticed I can do cw with the set up..Any tried it? If so I have a couple questions...tnx..Jeff

Date: Mon, 8 Nov 1993 09:31:58 GMT
From: mcsun!sun4nl!sci.kun.nl!HNYKUN11.URC.KUN.NL!U211321@uunet.uu.net
Subject: Are there multi-*CHANNEL* TNC's ???
To: ham-digital@ucsd.edu

Hello,
I'm thinking of experimenting with digital connections on CB.
Since CB-channels are notably very dirty, I was wondering if the
AX.25 or some other protocol provided for CHANNEL-info in the packets.
I imagine that if you got a CB-transceiver as well as a -receiver,
the latter could constantly scan for relatively clean channels,
approximate the cleanest one, pass this on to the transceiver,
which will incorporate this info in the last packet sent (and
acknowledged) on the current channel (the receiving station
would acknowledge and switch to the channel specified, as will
the sender) or some similar protocol extension.
My query is: has there already been thoughts in this direction,
practical implementations, or even TNC's and adapted CB-equipment ?
Many thanks,

Bob	u211321@hnykun11.BITNET
	u211321@hnykun11.uic.kun.NL

+++++

Date: 8 Nov 93 17:11:27 GMT
From: ogicse!emory!kd4nc!ke4zv!gary@network.ucsd.edu
Subject: Are there multi-*CHANNEL* TNC's ???
To: ham-digital@ucsd.edu

In article <16C80941E.U211321@HNYKUN11.URC.KUN.NL> U211321@HNYKUN11.URC.KUN.NL
(Bob) writes:

>Hello,
>I'm thinking of experimenting with digital connections on CB.
>Since CB-channels are notably very dirty, I was wondering if the
>AX.25 or some other protocol provided for CHANNEL-info in the packets.
>
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>the latter could constantly scan for relatively clean channels,
>approximate the cleanest one, pass this on to the transceiver,
>which will incorporate this info in the last packet sent (and
>acknowledged) on the current channel (the receiving station
>would acknowledge and switch to the channel specified, as will
>the sender) or some similar protocol extension.
>My query is: has there already been thoughts in this direction,
>practical implementations, or even TNC's and adapted CB-equipment ?
>Many thanks,

There's no provision in the AX25 protocol for such link management.
There is, however, a new standard called ALE, Automatic Link Establishment,
that hunts for the best channel at the moment and signals the radios in
the network to switch to it. It's a rather complex protocol designed for
the US Federal government and is a general method for linking radios
regardless of the type of modulation content they are attempting to
transmit. This has been outlined recently in QEX. It's likely overkill
for your application.

In general, I'd say that packet and voice use don't coexist
very well in an uncontrolled environment. The packet annoys
the voice users and may lead to jamming problems. And of course
the sporadic nature of voice signals means that a channel that
seems clear at one instant likely won't be at the next. The best
bet is to gain local cooperation among your CB users to reserve
one channel for packet work. You'll still be bothered with skywave
signals at times, but this is the best and simplest solution. This
all assumes of course that packet is legal on your country's CB
band which I believe it is. Some places allow it, others like the US,
do not.

Gary

--

Gary Coffman KE4ZV

|"If 10% is good enough | gatech!wa4mei!ke4zv!gary

Destructive Testing Systems | for Jesus, it's good | uunet!rsiatl!ke4zv!gary
534 Shannon Way | enough for Uncle Sam." | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | -Ray Stevens |

Date: Mon, 8 Nov 1993 15:33:49 GMT
From: elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!math.ohio-state.edu!
sol.ctr.columbia.edu!news.kei.com!das.wang.com!wang!djenkins@decwrl.dec.com
Subject: ftp access by packet
To: ham-digital@ucsd.edu

andy@mimuw.edu.pl (SP5WCA) writes:

>PMARANDA@vm1.ulaval.ca (Roger-Daniel Laberge) writes:
>> Is there any way to get access to Internet and FTP sites thru packet radio?
>Technically yes, but it's illegal (3rd party stuff)

Why would that be illegal?!?!? How is that any different than my using an autopatch? In both cases I am using remotely located ham equipment to access a non-ham realm. As long as the content of the transmissions are Part 97 compliant then no harm no foul.

With TCP/IP where individual packets are passed in real time (rather than in store and forward mode like AX25) it is unclear (to me) how the FCC's recent rulings on holding the originating and first forwarding stations jointly accountable for content would apply, but that is still only goes to the question of content.

Let's Followup-To: rec.radio.amateur.policy

73, N1MXV (For those who actually care, that's WITH code.)

Date: 8 Nov 93 10:51:00 GMT
From: usc!yeshua.marcam.com!news.kei.com!ub!acsu.buffalo.edu!ubvms.cc.buffalo.edu!
oopdavid@rutgers.rutgers.edu
Subject: Kenwood TM331: 9600 baud mods??
To: ham-digital@ucsd.edu

How does anyone go about modifying a Kenwood TM441 or 331 radio to run 9600 baud packet? People tell me you can tap off the circuit board. Has anyone done this? Plan to use Tiny-2 TNCs.
73, Dave.

Date: 8 Nov 93 15:38:15 GMT
From: news-mail-gateway@ucsd.edu
Subject: KISS reset
To: ham-digital@ucsd.edu

>I've noticed with my 1270's and 1278's that the persistence and
>slottime settings seem to disappear over time. If I set my
>persistence to 255 (there's only 3 of us on the freq. and we're
>never on at the same time) things go out lickety-split. If I
>come back in a 1/2 hour and try again, things are dead slow. I've
>noticed on the MFJ's that the sta and con led's flash every so
>often like the tnc has been reset. Looks like the tnc is
>resetting itself and wiping out myu parameters. All the MFJ's
>I've have do the same thing. Any ideas??

The later versions of MFJ firmware (and TAPR 1.1.7 and 1.1.8) have
a reset timer which will reset the KISS parameters to the defaults
after 3 minutes of inactivity. This is an even larger problem for
satellite users who use full duplex. TAPR 1.1.8a has the older
version of KISS without the reset patched into the code. Also, I
believe all versions of KISS-only proms do not do this. The timer
was put in to get around an obscure problem with KISS hanging up.
(IMHO, the cure was worse than the original problem, which I've
never experienced). There are a few folks working on the KISS
code trying to come up with a solution.

Bob

Bob Nielsen, W6SWE
Tucson, AZ
Internet: w6swe@tapr.org
AX.25: w6swe@kc7cg.az.usa.net
Amateur IP: 44.124.12.16

Date: Mon, 8 Nov 1993 08:26:11 GMT
From: agate!howland.reston.ans.net!math.ohio-state.edu!news.acns.nwu.edu!
raven.alaska.edu!aurora.alaska.edu!fsrla@ames.arpa
Subject: KPC-3 vs. PK-232?????????HELP!
To: ham-digital@ucsd.edu

Hello!!!!!!
I'm quite new and was wondering what the difference
is between the KPC-3 and the PK-232...Judging from
price there must be some.
What modes do these support?
Please email me with info!!!!!!!!!!

-----THANKS-----

Roger Asbury WL7NT
FSRLA@AURORA.ALASKA.EDU

Date: 8 Nov 93 15:44:43 GMT
From: news-mail-gateway@ucsd.edu
Subject: Need chip numbers
To: ham-digital@ucsd.edu

In Ham-Digital Digest #101, enge@almaden.ibm.com writes:

> Need some chip numbers to do some repairs. The chips are U7,
>U8, U9, and U10 on a DRSI PCPA-2 (two vhf port) card and U9 and
>U10 on a TAPR TNC-2.

I can't help you on the DRSI, but on the TNC-2, U9 is a 74HC14 and
U10 is a 74HCT04.

Bob

Bob Nielsen, W6SWE
Tucson, AZ
Internet: w6swe@tapr.org
AX.25: w6swe@kc7cg.az.usa.na
Amateur IP: 44.124.12.16

End of Ham-Digital Digest V93 #104

